SEQUENCE LISTING

<110> CONRAD, CHARLES A.

<120> IN VIVO PRODUCTION OF ssDNA CONTAINING DNA ENZYME SEQUENCE WITH RNASE ACTIVITY

<130> INGA,004/C/CIP

<140> 09/411,568
<141> 1999-10-04

<150> 09/397,782
<151> 1999-09-16

<150> 09/169,793
<151> 1998-10-09

<150> 08/877,251
<151> 1997-06-17

<150> 08/236,504
<151> 1994-04-29

<160> 29

<170> PatentIn Ver. 2.1

<210> 1
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
<221> modified_base
<222> (1)..(42)
<223> "n" represents a variable nucleotide

<400> 1
nnnnnnnnnn nnnrggctag ctacaacgan nnnnnnnnnn nn 42

<210> 2
<211> 258
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 2
taatacgact cactataggg agacccaagc tggctagcgt ttaaacttaa gcttggtcgg 60
cggccttgaa gagcggccgc actcacgata gagtgggaga tgggcgcgag aaagtgcggc 120

cgctcttcaa ggccgccgac cttaattaag tcagcggggg atccttttg ggggctcgtc 180
cgggatcggg agacccctgg ccgctcgagt ctagagggcc cgtttaaacc cgctgatcag 240
cctcgactgt gccttcta 258

<210> 3
<211> 252
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 3
ccccacccgg atctagactc gagcggccag gggtctcccg atcccggacg agcccccaaa 60
aaggatcccc cgctgactta attaaggtcg gcggccttga agagcggccg cactttctcg 120
cgcccatctc ccactctatc gtgagtgcgg ccgctcttca aggccgccga ccaagcttca 180
ccgcggggca gggtggtggt ggtggtggtg gggagcgggg gatccgaatt ctcgagaatt 240
cctggaggag at 252

<210> 4
<211> 250
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 4
ggctagcgtt taaacttaag cttggtcggc ggccttgaag agcggccgca ctcacgatag 60
agtgggagat gggcgcgaga aagtgcggcc gctcttcaag gccgccgacc ttaatggtgg 120
gcgcctcgtt gtagctagcc tcggtgtggg gatccttttt gggggctcgt ccgggatcgg 180
gagacccctg gccgctcgag tctagagggc ccgtttaaac ccgctgatca gcctcgactg 240
tgccttctag 250

<210> 5
<211> 249
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 5
ggctagcgtt taaacttaag cttggtcggc ggccttgaag agcggccgca ctcacgatag 60
agtgggagat gggcgcgaga aagtgcggcc gctcttcaag gccgccgacc ttaataatgc 120
atgtctcgtt gtagctagcc caggcgggag atccttttg ggggctcgtc cgggatcggg 180
agacccctgg ccgctcgagt ctagagggcc cgtttaaacc cgctgatcag cctcgactgt 240
gccttctag 249

<210> 6
<211> 245

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 6
ggctagcgtt taaacttaag cttggtcggc ggccttgaag agcggccgca ctcacgatag 60
agtgggagat gggcgcgaga aagtgcggcc gctcttcaag gccgccgacc ttaatgatgt 120
aagtcgttgt agctagcctc ccctggatcc tttttggggg ctcgtccggg atcgggagac 180
ccctggccgc tcgagtctag agggcccgtt taaacccgct gatcagcctc gactgtgcct 240
tctag 245

<210> 7
<211> 281
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 7
ggctagcgtt taaacttaag cttggtcggc ggccttgaag agcggccgca ctcacgatag 60
agtgggagat gggcgcgaga aagtgcggcc gctcttcaag gccgccgacc ttaatagatg 120
gagactcgtt gtagctagcc cccttgaggg cagattggcg cccgaacagg gacttgaagg 180
agatcctttt tgggggctcg tccgggatcg ggagacccct ggccgctcga gtctagaggg 240
cccgtttaaa cccgctgatc agcctcgact gtgccttcta g 281

<210> 8
<211> 149
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 8
agcttggtcg gcggccttga agagcggccg cactcacgat agagtgggag atgggcgcga 60
gaaagtgcgg ccgctcttca aggccgccga ccttaattaa gtcagcgggg gatccttttt 120
gggggctcgt ccgggatcgg gagacccct 149

<210> 9
<211> 148
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 9
ggccaggggt ctcccgatcc cggacgagcc cccaaaaagg atccccccgct gacttaatta 60

aggtcggcgg ccttgaagag cggccgcact ttctcgcgcc catctcccac tctatcgtga 120
gtgcggccgc tcttcaaggc cgccgacc 148

<210> 10
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 10
gatgtaagtc gttgtagcta gcctcccctg 30

<210> 11
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 11
gatccagggg aggctagcta caacgactta catcat 36

<210> 12
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 12
ggtgggcgcc tcgttgtagc tagcctcggt gtggg 35

<210> 13
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 13
gatccccaca ccgaggctag ctacaacgag gcgcccacca t 41

<210> 14
<211> 34

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 14
aatgcatgtc tcgttgtagc tagcccaggc ggga 34

<210> 15
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 15
gatctcccgc ctgggctagc tacaacgaga catgcattat 40

<210> 16
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 16
agatggagac tcgttgtagc tagccccctt gagggcagat tggcgcccga acagggactt 60
gaagga 66

<210> 17
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 17
gatctccttc aagtccctgt tcgggcgcca atctgccctc aaggggggcta gctacaacga 60
gtctccatct at 72

<210> 18
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 18
ccggatctag accgcaagct tcaccgc 27

<210> 19
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 19
ggtgaagctt gcggtctaga t 21

<210> 20
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 20
gggatcagga gctcagatca tgggaccaat gg 32

<210> 21
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 21
cttgtgcaca agctttgcag gtct 24

<210> 22
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 22
ctagcggcaa gcgtagct 18

<210> 23
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 23
acgcttgccg 10

<210> 24
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 24
caattaagga aagctttgaa aaattatgtc 30

<210> 25
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 25
taatggcccg ggcatagtcg ggtaggg 27

<210> 26
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 26
agctggatcc cccgctcccc accaccacca ccaccctgcc cct 43

<210> 27
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 27
agcaggggca gggtggtggt ggtggtgggg agcgggggat cc 42

<210> 28
<211> 121
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 28
atatctatta attttggcaa atcatagcgg ttatgctgac tcaggtgaat gccgcgataa 60
ttttcagatt gcaatctttc atcaatgaat ttcagtgatg aattgccaag attgatgttg 120
c 121

<210> 29
<211> 111
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 29
gacgagatct cctccaggaa ttctcgagaa ttcggatccc ccgctcccca ccaccaccac 60
caccaccctg ccccgcggat gaaaaattat gtgagcaaca tcaatcttgg c 111